

eolf-seq1
SEQUENCE LISTING

<110> F. Hoffmann-La Roche AG
<120> ANTI-TIM3 ANTIBODIES AND METHODS OF USE
<130> 32411
<150> EP14192175.9
<151> 2014-11-06
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<151> 2015-10-02
<160> 86
<170> PatentIn version 3.5
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Gly Phe Ser Leu Ser Thr Ser Gly Met
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Leu Asn Asp
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Ser Ser Ser Val Asn Tyr
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Asp Ala Phe
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Trp Ser Ser Tyr Pro Trp Thr
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Gln Val Thr Leu Lys Glu Ser Gly Pro Gly Ile Leu Gln Pro Ser Gln
1 5 10 15

Thr Leu Arg Leu Thr Cys Ser Phe Ser Gly Phe Ser Leu Ser Thr Ser
20 25 30

Gly Met Ser Val Gly Trp Ile Arg Gln Pro Ser Gly Lys Gly Leu Glu
35 40 45

Trp Leu Ala His Ile Trp Leu Asn Asp Asp Val Phe Phe Asn Pro Ala
50 55 60

Leu Lys Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Asn Asn Gln Val
65 70 75 80

Phe Leu Gln Ile Ala Ser Val Val Thr Ala Asp Thr Ala Thr Tyr Tyr
85 90 95

Cys Val Arg Ala Asn Gly Tyr Leu Tyr Ala Leu Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Ser Val Thr Val Ser Ser
115 120

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Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
1 5 10 15

Gln Lys Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Asn Tyr Thr
20 25 30

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Gln Trp Tyr Gln Gln Lys Leu Gly Ser Ser Pro Lys Leu Trp Ile Tyr
35 40 45

Asp Ala Phe Lys Leu Ala Pro Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Thr Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
65 70 75 80

Asp Ala Ala Ser Tyr Phe Cys His Gln Trp Ser Ser Tyr Pro Trp Thr
85 90 95

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
100 105

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<213> Mus musculus

<400> 9

Gln Val Thr Leu Lys Glu Ser Gly Pro Gly Ile Leu Gln Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ser Phe Ser Gly Phe Ser Leu Ser Thr Ser
20 25 30

Gly Met Ser Val Gly Trp Ile Arg Gln Pro Ser Gly Lys Gly Leu Glu
35 40 45

Trp Leu Ala His Ile Trp Leu Asn Asp Asp Val Phe Phe Asn Pro Ala
50 55 60

Leu Lys Arg Arg Leu Thr Ile Ser Lys Asp Thr Ser Asn Asn Gln Val
65 70 75 80

Phe Leu Gln Ile Ala Ser Val Val Thr Ala Asp Thr Ala Thr Tyr Tyr
85 90 95

Cys Val Arg Ala Asn Gly Tyr Leu Tyr Ala Leu Asp Tyr Trp Gly Gln
100 105 110

Gly Ile Ser Val Thr Val Ser Ser
115 120

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Gln Ile Val Leu Thr Gln Ser Pro Ala Ile Met Ser Ala Ser Pro Gly
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Gln Lys Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Asn Tyr Thr
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Gln Trp Tyr Gln Gln Lys Leu Gly Ser Ser Pro Lys Leu Trp Ile Tyr
35 40 45

Asp Ala Phe Lys Leu Ala Pro Gly Val Pro Ala Arg Phe Ser Gly Ser
50 55 60

Gly Thr Gly Thr Ser Tyr Ser Leu Thr Ile Ser Ser Met Glu Ala Glu
65 70 75 80

Asp Ala Ala Ser Tyr Phe Cys His Gln Trp Ser Ser Tyr Pro Trp Thr
85 90 95

Phe Gly Gly Gly Thr Lys Leu Glu Ile Lys
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Ser Ser Ser Val Gln Tyr
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Ser Ser Ser Val Ser Tyr
1 5

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Gly Tyr Ser Phe Thr Ser Tyr
1 5

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Gly Tyr Tyr Ala Trp Tyr Tyr Phe Asp
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Ser Gln Ser Ile Gly Asn Asn
1 5

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Tyr Ala Ser
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<400> 18

Ser Asn Ser Trp Pro Leu
1 5

<210> 19
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<213> Mus musculus

<400> 19

Gln Val Gln Leu Gln Gln Ser Gly Pro Gln Leu Val Arg Pro Gly Ala
1 5 10 15

Ser Val Gln Ile Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Ser Tyr
20 25 30

Leu Leu His Trp Leu Lys Gln Arg Pro Gly Gln Gly Leu Glu Trp Ile
35 40 45

Gly Met Ile Asp Pro Ser Asp Ser Glu Thr Arg Leu Asn Gln Lys Phe
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50

55

Lys Asp Lys Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr Ala Tyr
65 70 75 80

Met Gln Leu Ser Ser Pro Thr Ser Glu Asp Ser Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Asp Gly Tyr Tyr Ala Trp Tyr Tyr Phe Asp Cys Trp Gly Gln
100 105 110

Gly Thr Thr Leu Thr Val Ser Ser
115 120

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Asp Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Val Thr Pro Gly
1 5 10 15

Asp Arg Val Ser Leu Ser Cys Arg Ala Ser Gln Ser Ile Gly Asn Asn
20 25 30

Leu His Trp Tyr Gln Gln Lys Ser His Glu Ser Pro Arg Leu Leu Ile
35 40 45

Lys Tyr Ala Ser His Ser Ile Ser Gly Ile Pro Ser Lys Phe Ser Gly
50 55 60

Thr Gly Ser Gly Thr Asp Phe Thr Leu Ser Phe Asn Ser Val Glu Thr
65 70 75 80

Glu Asp Phe Gly Met Tyr Phe Cys Gln Gln Ser Asn Ser Trp Pro Leu
85 90 95

Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
100 105

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<400> 21

Gly Asp Ser Ile Ala
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<210> 22
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<213> Mus musculus

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Tyr Ser Gly
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<211> 4

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Asp Tyr Phe Asp
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<210> 24

<211> 7

<212> PRT

<213> Mus musculus

<400> 24

Arg Gln Asp Val Arg Lys Asn
1 5

<210> 25

<211> 3

<212> PRT

<213> Mus musculus

<400> 25

Tyr Thr Ser
1

<210> 26

<211> 6

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<213> Mus musculus

<400> 26

Tyr Asp Asn Leu Pro Phe
1 5

<210> 27

<211> 114

<212> PRT

<213> Mus musculus

<400> 27

Glu Val Gln Leu Gln Glu Ser Gly Pro Ser Leu Val Lys Pro Ser Gln
1 5 10 15

Thr Leu Ser Leu Thr Cys Ser Val Thr Gly Asp Ser Ile Ala Ser Ala
20 25 30

Tyr Trp Asn Trp Ile Arg Lys Phe Pro Gly Asn Lys Leu Glu Tyr Met
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35

40

45

Gly Tyr Ile Asn Tyr Ser Gly Ser Thr Tyr Tyr Asn Pro Ser Leu Lys
50 55 60

Ser Arg Ile Ser Ile Thr Arg Asp Thr Ser Gln Asn Gln Tyr Tyr Leu
65 70 75 80

Gln Leu Asn Ser Val Thr Thr Glu Asp Thr Ala Thr Tyr Tyr Cys Val
85 90 95

Thr Gly Asp Tyr Phe Asp Tyr Trp Gly Arg Gly Thr Thr Leu Thr Val
100 105 110

Ser Ser

<210> 28
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<400> 28

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Tyr Leu Gly
1 5 10 15

Gly Lys Val Thr Ile Thr Cys Lys Ala Arg Gln Asp Val Arg Lys Asn
20 25 30

Ile Gly Trp Tyr Gln His Lys Pro Gly Lys Gly Pro Arg Leu Leu Ile
35 40 45

Trp Tyr Thr Ser Thr Leu Gln Ser Gly Ile Pro Ser Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Arg Asp Tyr Ser Phe Asn Ile Asn Asn Leu Glu Pro
65 70 75 80

Glu Asp Ile Ala Thr Tyr Tyr Cys Leu Gln Tyr Asp Asn Leu Pro Phe
85 90 95

Thr Phe Gly Thr Gly Thr Lys Leu Glu Ile Arg
100 105

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Gly Tyr Thr Phe Thr
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Glu Thr Tyr
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Gly Tyr Pro Ala
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<400> 32

Ser Arg Thr Ile Leu His Ser Ser Gly Asn Thr Tyr
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<210> 33
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<400> 33

Lys Val Ser
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<210> 34
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<400> 34

Asp Ser His Val Pro Phe
 1 5

<210> 35
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<400> 35

Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys Pro Gly Glu
 1 5 10 15

Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Asp Tyr
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20

25

30

Ser Met His Trp Val Lys Gln Ala Pro Gly Arg Gly Leu Lys Trp Met
35 40 45

Gly Tyr Ile Asn Thr Glu Thr Tyr Glu Pro Thr Phe Gly Ala Asp Phe
50 55 60

Lys Gly Arg Phe Ala Phe Ser Leu Asp Thr Ser Ala Thr Thr Ala Tyr
65 70 75 80

Leu Gln Ile Asn Ser Leu Lys Thr Glu Asp Thr Ala Thr Phe Phe Cys
85 90 95

Gly Gly Gly Gly Tyr Pro Ala Tyr Trp Gly Gln Gly Thr Val Val Ile
100 105 110

Val Ser Ala
115

<210> 36
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<212> PRT
<213> Mus musculus

<400> 36

Asp Val Leu Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly
1 5 10 15

Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Arg Thr Ile Leu His Ser
20 25 30

Ser Gly Asn Thr Tyr Leu Glu Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45

Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
50 55 60

Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile
65 70 75 80

Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Phe Gln Asp
85 90 95

Ser His Val Pro Phe Thr Phe Gly Thr Gly Thr Lys Leu Glu Ile Lys
100 105 110

<210> 37
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<400> 37

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Gly Phe Asn Ile Lys Thr Thr
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<210> 38
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<212> PRT
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<400> 38

Ala Asp Asp
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<400> 39

Phe Gly Tyr Val Ala Trp Phe Ala
1 5

<210> 40
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<213> Mus musculus

<400> 40

Ser Gln Ser Val Asp Asn Tyr
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<210> 41
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<400> 41

Tyr Ala Ser
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<210> 42
<211> 6
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<400> 42

His Tyr Ser Ser Pro Tyr
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<210> 43
<211> 119
<212> PRT
<213> Mus musculus

<400> 43

Glu Val Gln Leu Gln Gln Ser Val Ala Glu Leu Val Arg Pro Gly Ala

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10

1 5 15
Ser Val Lys Leu Ser Cys Thr Ala Ser Gly Phe Asn Ile Lys Thr Thr
20 25 30
Tyr Met His Trp Val Lys Gln Arg Pro Glu Gln Gly Leu Glu Trp Ile
35 40 45
Gly Arg Ile Asp Pro Ala Asp Asp Asn Thr Lys Tyr Ala Pro Lys Phe
50 55 60
Gln Gly Lys Ala Thr Ile Thr Ala Asp Thr Ser Ser Asn Thr Ala Tyr
65 70 75 80
Leu Gln Leu Ser Ser Leu Thr Ser Glu Asp Ala Ala Ile Tyr Tyr Cys
85 90 95
Val Arg Asp Phe Gly Tyr Val Ala Trp Phe Ala Tyr Trp Gly Gln Gly
100 105 110
Thr Leu Val Thr Phe Ser Ala
115

<210> 44
<211> 107
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<213> Mus musculus
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Asn Ile Val Met Thr Pro Thr Pro Lys Phe Leu Pro Val Ser Ser Gly
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Asp Arg Val Thr Met Thr Cys Arg Ala Ser Gln Ser Val Asp Asn Tyr
20 25 30
Val Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ser Pro Lys Leu Leu Ile
35 40 45
Tyr Tyr Ala Ser Asn Arg Tyr Ile Gly Val Pro Asp Arg Phe Thr Gly
50 55 60
Ser Gly Ser Gly Thr Asp Phe Thr Phe Thr Ile Ser Ser Val Gln Val
65 70 75 80
Glu Asp Leu Ala Val Tyr Phe Cys Gln Gln His Tyr Ser Ser Pro Tyr
85 90 95
Thr Phe Gly Ser Gly Thr Lys Leu Glu Ile Lys
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Gly Tyr Pro Phe Ser Glu Tyr
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Glu Thr Gly
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<400> 47

Gly Tyr Pro Ala
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<213> Mus musculus

<400> 48

Ser Arg Ser Ile Val His Ser Ser Gly Asn Thr Tyr
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<210> 49
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<212> PRT
<213> Mus musculus

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Lys Val Ser
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<210> 50
<211> 5
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<400> 50

Asp Ser His Val Pro
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<210> 51
<211> 115
<212> PRT
<213> Mus musculus

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<400> 51

Gln Ile Gln Leu Val Gln Ser Gly Pro Glu Leu Lys Lys Pro Gly Glu
1 5 10 15
Thr Val Lys Ile Ser Cys Lys Ala Ser Gly Tyr Pro Phe Ser Glu Tyr
20 25 30
Ser Ile His Trp Val Lys Gln Ala Pro Gly Lys Gly Leu Lys Trp Met
35 40 45
Val Tyr Val Asn Thr Glu Thr Gly Gln Pro Ile Val Gly Asp Asp Phe
50 55 60
Arg Gly Arg Phe Val Leu Ser Leu Glu Thr Ser Ala Ser Thr Ala Tyr
65 70 75 80
Leu Gln Ile Asn Asn Leu Lys Asn Glu Asp Thr Ala Thr Tyr Phe Cys
85 90 95
Gly Gly Gly Gly Tyr Pro Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr
100 105 110
Val Ser Ala
115

<210> 52

<211> 112

<212> PRT

<213> Mus musculus

<400> 52

Asp Val Leu Met Thr Gln Thr Pro Leu Ser Leu Pro Val Ser Leu Gly
1 5 10 15
Asp Gln Ala Ser Ile Ser Cys Arg Ser Ser Arg Ser Ile Val His Ser
20 25 30
Ser Gly Asn Thr Tyr Leu Glu Trp Tyr Leu Gln Lys Pro Gly Gln Ser
35 40 45
Pro Lys Leu Leu Ile Tyr Lys Val Ser Asn Arg Phe Ser Gly Val Pro
50 55 60
Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Asn Ile
65 70 75 80
Ser Arg Val Glu Ala Glu Asp Leu Gly Val Tyr Tyr Cys Phe Gln Asp
85 90 95
Ser His Val Pro Phe Thr Phe Gly Thr Gly Thr Lys Leu Glu Ile Lys
100 105 110

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<210> 53
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<213> Mus musculus

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Gly Phe Thr Phe Ser Ser Ser
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<210> 54
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<213> Mus musculus

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Ala Thr Gly
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Tyr Pro His Tyr Tyr Ala Met Asp
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<210> 56
<211> 7
<212> PRT
<213> Mus musculus

<400> 56

Ser Glu Asn Ile Phe Ser Asn
1 5

<210> 57
<211> 3
<212> PRT
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<400> 57

Ser Ala Thr
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<210> 58
<211> 6
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<213> Mus musculus

<400> 58

Phe Tyr Lys Ile Pro Phe
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<210> 59
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 <212> PRT
 <213> Mus musculus

<400> 59

Gln Gly Gln Met His Gln Ser Gly Ala Glu Leu Val Lys Pro Gly Ser
 1 5 10 15
 Ser Val Lys Leu Ser Cys Lys Thr Ser Gly Phe Thr Phe Ser Ser Ser
 20 25 30
 Phe Ile Ser Trp Leu Lys Gln Lys Pro Gly Gln Ser Leu Glu Trp Ile
 35 40 45
 Ala Trp Ile Tyr Ala Ala Thr Gly Ser Thr Ser Tyr Asn Gln Lys Phe
 50 55 60
 Thr Asn Lys Ala Gln Leu Thr Val Asp Thr Ser Ser Ser Ala Ala Tyr
 65 70 75 80
 Met Gln Phe Ser Ser Leu Thr Thr Glu Asp Ser Ala Ile Tyr Tyr Cys
 85 90 95
 Ala Arg His Ala Gly Tyr Pro His Tyr Tyr Ala Met Asp Tyr Trp Gly
 100 105 110
 Gln Gly Thr Ser Val Thr Val Ser Ser
 115 120

<210> 60
 <211> 107
 <212> PRT
 <213> Mus musculus

<400> 60

Asp Ile Gln Met Thr Gln Ser Pro Ala Ser Leu Ser Ala Ser Val Gly
 1 5 10 15
 Glu Thr Val Thr Ile Thr Cys Arg Ala Ser Glu Asn Ile Phe Ser Asn
 20 25 30
 Leu Ala Trp Tyr Gln Gln Lys Gln Gly Lys Ser Pro Gln Leu Leu Val
 35 40 45
 Tyr Ser Ala Thr Asn Leu Gly Asp Gly Val Pro Ser Arg Phe Ser Gly
 50 55 60
 Ser Gly Ser Gly Thr Gln Phe Ser Leu Lys Ile Asn Ser Leu Gln Pro
 65 70 75 80
 Glu Asp Phe Gly Asn Tyr Tyr Cys Gln His Phe Tyr Lys Ile Pro Phe
 85 90 95

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Thr Phe Gly Thr Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 61
<211> 7
<212> PRT
<213> Mus musculus

<400> 61

Gly Phe Asn Ile Lys Asp Tyr
1 5

<210> 62
<211> 3
<212> PRT
<213> Mus musculus

<400> 62

Glu Asp Gly
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<210> 63
<211> 8
<212> PRT
<213> Mus musculus

<400> 63

His Gly Tyr Val Gly Trp Phe Ala
1 5

<210> 64
<211> 8
<212> PRT
<213> Mus musculus

<400> 64

Ala Ser Glu Asn Val Asp Thr Tyr
1 5

<210> 65
<211> 3
<212> PRT
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<400> 65

Gly Ala Ser
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<210> 66
<211> 6
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<400> 66

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Ser Tyr Ser Tyr Pro Trp
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<210> 67
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<213> Mus musculus

<400> 67

Glu Val Gln Leu Gln Gln Ser Gly Ala Glu Pro Leu Lys Pro Gly Ala
1 5 10 15

Ser Val Lys Leu Thr Cys Thr Thr Ser Gly Phe Asn Ile Lys Asp Tyr
20 25 30

Tyr Ile His Trp Val Lys Gln Arg Ser Asp Gln Gly Leu Glu Trp Ile
35 40 45

Gly Arg Ile Asp Pro Glu Asp Gly Glu Leu Ile Tyr Ala Pro Lys Phe
50 55 60

Gln Asp Lys Ala Thr Ile Thr Val Asp Thr Ser Ser Asn Ile Ala Tyr
65 70 75 80

Leu Gln Leu Asn Ser Leu Thr Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ser Arg Asp His Gly Tyr Val Gly Trp Phe Ala Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ala
115

<210> 68
<211> 107
<212> PRT
<213> Mus musculus

<400> 68

Asn Val Val Met Thr Gln Ser Pro Lys Ser Met Ile Met Ser Val Gly
1 5 10 15

Gln Arg Val Thr Leu Asn Cys Lys Ala Ser Glu Asn Val Asp Thr Tyr
20 25 30

Val Ser Trp Tyr Gln Gln Lys Pro Glu Gln Ser Pro Lys Leu Leu Ile
35 40 45

Tyr Gly Ala Ser Asn Arg Tyr Thr Gly Val Pro Asp Arg Phe Thr Gly
50 55 60

Ser Arg Ser Ala Thr Asp Phe Thr Leu Thr Ile Ser Ser Val Gln Ala
65 70 75 80

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Glu Asp Leu Ala Val Tyr Tyr Cys Gly Gln Ser Tyr Ser Tyr Pro Trp
85 90 95

Thr Phe Gly Gly Gly Thr Lys Leu Glu Phe Arg
100 105

<210> 69

<211> 219

<212> PRT

<213> Artificial

<220>

<223> an exemplary Pseudomonas exotoxin A variant 1(deimmunized PE24 example)

<400> 69

Pro Thr Gly Ala Glu Phe Leu Gly Asp Gly Gly Asp Val Ser Phe Ser
1 5 10 15

Thr Arg Gly Thr Gln Asn Trp Thr Val Glu Arg Leu Leu Gln Ala His
20 25 30

Ala Gln Leu Glu Glu Arg Gly Tyr Val Phe Val Gly Tyr His Gly Thr
35 40 45

Phe Leu Glu Ala Ala Gln Ser Ile Val Phe Gly Gly Val Ala Ala Arg
50 55 60

Ser Gln Asp Leu Ala Ala Ile Trp Ala Gly Phe Tyr Ile Ala Gly Asp
65 70 75 80

Pro Ala Leu Ala Tyr Gly Tyr Ala Gln Asp Gln Glu Pro Asp Ala Ala
85 90 95

Gly Arg Ile Arg Asn Gly Ala Leu Leu Arg Val Tyr Val Pro Ala Ser
100 105 110

Ser Leu Pro Gly Phe Tyr Arg Thr Ser Leu Thr Leu Ala Ala Pro Glu
115 120 125

Ala Ala Gly Glu Val Glu Arg Leu Ile Gly His Pro Leu Pro Leu Ala
130 135 140

Leu Asp Ala Ile Thr Gly Pro Glu Glu Glu Gly Gly Arg Leu Glu Thr
145 150 155 160

Ile Leu Gly Trp Pro Leu Ala Glu Arg Thr Val Val Ile Pro Ser Ala
165 170 175

Ile Pro Thr Asp Pro Arg Asn Val Gly Gly Asp Leu Asp Pro Ser Ser
180 185 190

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Ile Pro Asp Lys Glu Gln Ala Ile Ser Ala Leu Pro Asp Tyr Ala Ser
195 200 205

Gln Pro Gly Lys Pro Pro Arg Glu Asp Leu Lys
210 215

<210> 70

<211> 219

<212> PRT

<213> Artificial

<220>

<223> an exemplary Pseudomonas exotoxin A variant 2(deimmunized PE24 example)

<400> 70

Pro Thr Gly Ala Glu Phe Leu Gly Asp Gly Gly Asp Val Ser Phe Ser
1 5 10 15

Thr Arg Gly Thr Gln Asn Trp Thr Val Glu Arg Leu Leu Gln Ala His
20 25 30

Ala Gln Leu Glu Glu Arg Gly Tyr Val Phe Val Gly Tyr His Gly Thr
35 40 45

Ala Leu Glu Ala Ala Gln Ser Ile Val Phe Gly Gly Val Arg Ala Arg
50 55 60

Ser Gln Asp Leu Arg Ala Ile Trp Arg Gly Phe Tyr Ile Ala Gly Asp
65 70 75 80

Pro Ala His Ala Tyr Gly Tyr Ala Gln Asp Gln Glu Pro Asp Ala Arg
85 90 95

Gly Arg Ile Ala Asn Gly Ala Leu Leu Arg Val Tyr Val Pro Ala Ser
100 105 110

Ser Leu Pro Gly Phe Tyr Arg Thr Ser Leu Thr Leu Ala Ala Pro Glu
115 120 125

Ala Ala Gly Glu Val Glu Arg Leu Ile Gly His Pro Leu Pro Leu Arg
130 135 140

Leu Asp Ala Ile Thr Gly Pro Glu Glu Glu Gly Gly Arg Glu Glu Thr
145 150 155 160

Ile Leu Gly Trp Pro Leu Ala Glu Arg Thr Val Val Ile Pro Ser Ala
165 170 175

Ile Pro Thr Asp Pro Arg Asn Val Gly Gly Asp Leu Asp Pro Ser Ser
180 185 190

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Ile Pro Asp Lys Glu Gln Ala Ile Ser Ala Leu Pro Asp Tyr Ala Ser
195 200 205

Gln Pro Gly Lys Pro Pro Arg Glu Asp Leu Lys
210 215

<210> 71
<211> 107
<212> PRT
<213> Homo Sapiens

<400> 71

Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu
1 5 10 15

Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe
20 25 30

Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln
35 40 45

Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser
50 55 60

Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr Glu
65 70 75 80

Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser Ser
85 90 95

Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
100 105

<210> 72
<211> 105
<212> PRT
<213> Homo Sapiens

<400> 72

Gln Pro Lys Ala Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu
1 5 10 15

Glu Leu Gln Ala Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe
20 25 30

Tyr Pro Gly Ala Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val
35 40 45

Lys Ala Gly Val Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys
50 55 60

Tyr Ala Ala Ser Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser
65 70 75 80

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His Arg Ser Tyr Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu
85 90 95

Lys Thr Val Ala Pro Thr Glu Cys Ser
100 105

<210> 73
<211> 330
<212> PRT
<213> Homo Sapiens

<400> 73

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
1 5 10 15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

eo1f-seq1

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
 210 215 220
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
 225 230 235 240
 Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
 245 250 255
 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
 260 265 270
 Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
 275 280 285
 Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
 290 295 300
 Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
 305 310 315 320
 Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
 325 330

<210> 74
 <211> 330
 <212> PRT
 <213> homo sapiens
 <400> 74

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
 1 5 10 15
 Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
 20 25 30
 Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
 35 40 45
 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
 50 55 60
 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
 65 70 75 80
 Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
 85 90 95
 Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
 100 105 110

eolf-seq1
 Pro Ala Pro Glu Ala Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
 115 120 125
 Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
 130 135 140
 Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
 145 150 155 160
 Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
 165 170 175
 Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
 180 185 190
 His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
 195 200 205
 Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
 210 215 220
 Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
 225 230 235 240
 Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
 245 250 255
 Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
 260 265 270
 Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
 275 280 285
 Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn
 290 295 300
 Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
 305 310 315 320
 Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
 325 330

<210> 75
 <211> 330
 <212> PRT
 <213> homo sapiens

<400> 75

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys
 1 5 10 15

Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
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self-seq1

20

25

30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
65 70 75 80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys
100 105 110

Pro Ala Pro Glu Ala Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro
115 120 125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys
130 135 140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp
145 150 155 160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Gly Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu
225 230 235 240

Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn

self-seq1

290 295 300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr
305 310 315 320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
325 330

<210> 76
<211> 327
<212> PRT
<213> Homo Sapiens

<400> 76

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg
1 5 10 15

Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr
65 70 75 80

Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Arg Val Glu Ser Lys Tyr Gly Pro Pro Cys Pro Ser Cys Pro Ala Pro
100 105 110

Glu Phe Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
115 120 125

Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val
130 135 140

Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp
145 150 155 160

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe
165 170 175

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
180 185 190

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu
195 200 205

eo1f-seq1

Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
 210 215 220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
 225 230 235 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
 245 250 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
 260 265 270

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser
 275 280 285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser
 290 295 300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser
 305 310 315 320

Leu Ser Leu Ser Leu Gly Lys
 325

<210> 77
 <211> 280
 <212> PRT
 <213> homo sapiens

<400> 77

Ser Glu Val Glu Tyr Arg Ala Glu Val Gly Gln Asn Ala Tyr Leu Pro
 1 5 10 15

Cys Phe Tyr Thr Pro Ala Ala Pro Gly Asn Leu Val Pro Val Cys Trp
 20 25 30

Gly Lys Gly Ala Cys Pro Val Phe Glu Cys Gly Asn Val Val Leu Arg
 35 40 45

Thr Asp Glu Arg Asp Val Asn Tyr Trp Thr Ser Arg Tyr Trp Leu Asn
 50 55 60

Gly Asp Phe Arg Lys Gly Asp Val Ser Leu Thr Ile Glu Asn Val Thr
 65 70 75 80

Leu Ala Asp Ser Gly Ile Tyr Cys Cys Arg Ile Gln Ile Pro Gly Ile
 85 90 95

Met Asn Asp Glu Lys Phe Asn Leu Lys Leu Val Ile Lys Pro Ala Lys
 100 105 110

eof-seq1

Val Thr Pro Ala Pro Thr Arg Gln Arg Asp Phe Thr Ala Ala Phe Pro
115 120 125

Arg Met Leu Thr Thr Arg Gly His Gly Pro Ala Glu Thr Gln Thr Leu
130 135 140

Gly Ser Leu Pro Asp Ile Asn Leu Thr Gln Ile Ser Thr Leu Ala Asn
145 150 155 160

Glu Leu Arg Asp Ser Arg Leu Ala Asn Asp Leu Arg Asp Ser Gly Ala
165 170 175

Thr Ile Arg Ile Gly Ile Tyr Ile Gly Ala Gly Ile Cys Ala Gly Leu
180 185 190

Ala Leu Ala Leu Ile Phe Gly Ala Leu Ile Phe Lys Trp Tyr Ser His
195 200 205

Ser Lys Glu Lys Ile Gln Asn Leu Ser Leu Ile Ser Leu Ala Asn Leu
210 215 220

Pro Pro Ser Gly Leu Ala Asn Ala Val Ala Glu Gly Ile Arg Ser Glu
225 230 235 240

Glu Asn Ile Tyr Thr Ile Glu Glu Asn Val Tyr Glu Val Glu Glu Pro
245 250 255

Asn Glu Tyr Tyr Cys Tyr Val Ser Ser Arg Gln Gln Pro Ser Gln Pro
260 265 270

Leu Gly Cys Arg Phe Ala Met Pro
275 280

<210> 78
<211> 181
<212> PRT
<213> homo sapiens

<400> 78

Ser Glu Val Glu Tyr Arg Ala Glu Val Gly Gln Asn Ala Tyr Leu Pro
1 5 10 15

Cys Phe Tyr Thr Pro Ala Ala Pro Gly Asn Leu Val Pro Val Cys Trp
20 25 30

Gly Lys Gly Ala Cys Pro Val Phe Glu Cys Gly Asn Val Val Leu Arg
35 40 45

Thr Asp Glu Arg Asp Val Asn Tyr Trp Thr Ser Arg Tyr Trp Leu Asn
50 55 60

eolf-seq1
 Gly Asp Phe Arg Lys Gly Asp Val Ser Leu Thr Ile Glu Asn Val Thr
 65 70 75 80
 Leu Ala Asp Ser Gly Ile Tyr Cys Cys Arg Ile Gln Ile Pro Gly Ile
 85 90 95
 Met Asn Asp Glu Lys Phe Asn Leu Lys Leu Val Ile Lys Pro Ala Lys
 100 105 110
 Val Thr Pro Ala Pro Thr Arg Gln Arg Asp Phe Thr Ala Ala Phe Pro
 115 120 125
 Arg Met Leu Thr Thr Arg Gly His Gly Pro Ala Glu Thr Gln Thr Leu
 130 135 140
 Gly Ser Leu Pro Asp Ile Asn Leu Thr Gln Ile Ser Thr Leu Ala Asn
 145 150 155 160
 Glu Leu Arg Asp Ser Arg Leu Ala Asn Asp Leu Arg Asp Ser Gly Ala
 165 170 175
 Thr Ile Arg Ile Gly
 180

<210> 79
 <211> 120
 <212> PRT
 <213> Artificial

<220>
 <223> VH humanized version of Tim3_0016 variant (0018) (= Tim3-0433)

<400> 79

Gln Ile Thr Leu Lys Glu Ser Gly Pro Thr Leu Val Lys Pro Thr Gln
 1 5 10 15
 Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser
 20 25 30
 Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu
 35 40 45
 Trp Leu Ala His Ile Trp Leu Asn Asp Asp Val Phe Phe Asn Pro Ala
 50 55 60
 Leu Lys Ser Arg Leu Thr Ile Thr Lys Asp Thr Ser Lys Asn Gln Val
 65 70 75 80
 Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr
 85 90 95
 Cys Val Arg Ala Asn Gly Tyr Leu Tyr Ala Leu Asp Tyr Trp Gly Gln
 100 105 110

eo1f-seq1

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 80
<211> 106
<212> PRT
<213> Artificial

<220>
<223> VL humanized version of Tim3_0016 variant (0018) (= Tim3-0433)
<400> 80

Glu Thr Thr Leu Thr Gln Ser Pro Ala Phe Met Ser Ala Thr Pro Gly
1 5 10 15

Asp Lys Val Asn Ile Ala Cys Ser Ala Ser Ser Ser Val Ser Tyr Thr
20 25 30

Gln Trp Tyr Gln Gln Lys Pro Gly Glu Ala Pro Lys Leu Trp Ile Tyr
35 40 45

Asp Ala Phe Lys Leu Ala Pro Gly Ile Pro Pro Arg Phe Ser Gly Ser
50 55 60

Gly Tyr Gly Thr Asp Phe Thr Leu Thr Ile Asn Asn Ile Glu Ser Glu
65 70 75 80

Asp Ala Ala Tyr Tyr Phe Cys His Gln Trp Ser Ser Tyr Pro Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 81
<211> 120
<212> PRT
<213> Artificial

<220>
<223> VH humanized version of Tim3_0016 variant (0018) (= Tim3-0434)
<400> 81

Gln Ile Thr Leu Lys Glu Ser Gly Pro Thr Leu Val Lys Pro Thr Gln
1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Phe Ser Gly Phe Ser Leu Ser Thr Ser
20 25 30

Gly Met Ser Val Gly Trp Ile Arg Gln Pro Pro Gly Lys Gly Leu Glu
35 40 45

Trp Leu Ala His Ile Trp Leu Asn Asp Asp Val Phe Phe Asn Pro Ala
50 55 60

eo1f-seq1

Leu Lys Ser Arg Leu Thr Ile Thr Lys Asp Thr Ser Lys Asn Gln Val
65 70 75 80

Val Leu Thr Met Thr Asn Met Asp Pro Val Asp Thr Ala Thr Tyr Tyr
85 90 95

Cys Val Arg Ala Asn Gly Tyr Leu Tyr Ala Leu Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 82

<211> 106

<212> PRT

<213> Artificial

<220>

<223> VL humanized version of Tim3_0016 variant (0018) (= Tim3-0434)

<400> 82

Asp Ile Gln Leu Thr Gln Ser Pro Ser Phe Leu Ser Ala Ser Val Gly
1 5 10 15

Asp Arg Val Thr Ile Thr Cys Ser Ala Ser Ser Ser Val Ser Tyr Thr
20 25 30

Gln Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Trp Ile Tyr
35 40 45

Asp Ala Phe Lys Leu Ala Pro Gly Val Pro Ser Arg Phe Ser Gly Ser
50 55 60

Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro Glu
65 70 75 80

Asp Phe Ala Thr Tyr Phe Cys His Gln Trp Ser Ser Tyr Pro Trp Thr
85 90 95

Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 83

<211> 119

<212> PRT

<213> Artificial

<220>

<223> VH humanized version of Tim3-0028 (= Tim3-0438)

<400> 83

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
1 5 10 15

eolf-seq1

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Lys Thr Thr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Gly Arg Ile Asp Pro Ala Asp Asp Asn Thr Lys Tyr Ala Pro Lys Phe
50 55 60

Gln Gly Lys Ala Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Val Arg Asp Phe Gly Tyr Val Ala Trp Phe Ala Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 84
<211> 107
<212> PRT
<213> Artificial

<220>
<223> VL humanized version of Tim3-0028 (= Tim3-0438)
<400> 84

Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
1 5 10 15

Glu Pro Ala Ser Ile Ser Cys Arg Ala Ser Gln Ser Val Asp Asn Tyr
20 25 30

Val Ala Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile
35 40 45

Tyr Tyr Ala Ser Asn Arg Tyr Ile Gly Val Pro Asp Arg Phe Ser Gly
50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Lys Ile Ser Arg Val Glu Ala
65 70 75 80

Glu Asp Val Gly Val Tyr Tyr Cys Gln Gln His Tyr Ser Ser Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
100 105

eo1f-seq1

<210> 85
 <211> 119
 <212> PRT
 <213> Artificial

<220>
 <223> VH humanized version of Tim3-0028 (= Tim3-0443)

<400> 85

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly
 1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Asn Ile Lys Thr Thr
 20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45

Gly Arg Ile Asp Pro Ala Asp Asp Asn Thr Lys Tyr Ala Pro Lys Phe
 50 55 60

Gln Gly Lys Ala Thr Ile Ser Ala Asp Thr Ser Lys Asn Thr Ala Tyr
 65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
 85 90 95

Val Arg Asp Phe Gly Tyr Val Ala Trp Phe Ala Tyr Trp Gly Gln Gly
 100 105 110

Thr Leu Val Thr Phe Ser Ser
 115

<210> 86
 <211> 107
 <212> PRT
 <213> Artificial

<220>
 <223> VL humanized version of Tim3-0028 (= Tim3-0443)

<400> 86

Asp Ile Val Met Thr Gln Ser Pro Leu Ser Leu Pro Val Thr Pro Gly
 1 5 10 15

Glu Pro Ala Ser Ile Ser Cys Arg Ala Ser Gln Ser Val Asp Asn Tyr
 20 25 30

Val Ala Trp Tyr Leu Gln Lys Pro Gly Gln Ser Pro Gln Leu Leu Ile
 35 40 45

Tyr Tyr Ala Ser Asn Arg Tyr Ile Gly Val Pro Asp Arg Phe Ser Gly
 50 55 60

eol-f-seq1

Ser	Gly	Ser	Gly	Thr	Asp	Phe	Thr	Leu	Lys	Ile	Ser	Arg	Val	Glu	Ala
65					70					75					80
Glu	Asp	Val	Gly	Val	Tyr	Tyr	Cys	Gln	Gln	His	Tyr	Ser	Ser	Pro	Tyr
				85					90					95	
Thr	Phe	Gly	Gln	Gly	Thr	Lys	Val	Glu	Ile	Lys					
			100					105							